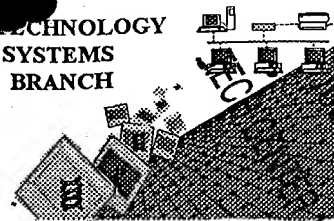


## RAW SEQUENCE LISTING ERROR REPORT

BIO TECHNOLOGY  
SYSTEMS  
BRANCH



1634  
#13  
RECEIVED  
24 2002

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

09/581,422

Source:

1600

Date Processed by STIC:

7/18/02

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FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

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PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

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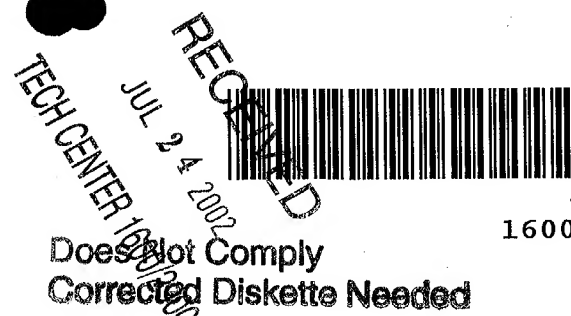
Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

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2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
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Revised 01/29/2002



RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/581,422

DATE: 07/18/2002  
 TIME: 15:01:34

*Enter on p. 2*

Input Set : A:\09-581422.SequenceListing.txt  
 Output Set: N:\CRF3\07182002\I581422.raw

3 <110> APPLICANT: CHELLY et al.  
 5 <120> TITLE OF INVENTION: GENE CALLED OLIGOPHRENIN1 . . .  
 7 <130> FILE REFERENCE: P06780US0/BAS  
 9 <140> CURRENT APPLICATION NUMBER: US 09/581,422  
 C--> 10 <141> CURRENT FILING DATE: 2000-06-13  
 12 <150> PRIOR APPLICATION NUMBER: PCT/EP98/08557  
 13 <151> PRIOR FILING DATE: 1998-12-14  
 15 <150> PRIOR APPLICATION NUMBER: EP 97 403 050.4  
 16 <151> PRIOR FILING DATE: 1997-12-15  
 18 <160> NUMBER OF SEQ ID NOS: 27  
 20 <170> SOFTWARE: PatentIn version 3.1  
 22 <210> SEQ ID NO: 1  
 23 <211> LENGTH: 1650  
 24 <212> TYPE: DNA  
 25 <213> ORGANISM: Homo sapiens  
 27 <400> SEQUENCE: 1

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34	gagggcgttt	tctcattgcc	attctgctat	atagtgtagt	ggtcaagagc	actacctcta	180
36	gagccagcca	ggctgggctc	aagttcaagt	gctgccattt	aactagctgt	ttgtccttcg	240
38	gcaagtcact	taaactctct	ttgaccagc	ttctccatct	ttaaatgggt	ataataataa	300
40	aaccatcctc	atagggttgt	tttgaagatt	agtgagatgg	gcgatagggt	gtgtgggtgg	360
42	tagaataatg	tttcctcctt	cacagatgtc	catgtcctgt	cctgaaacct	gtggctacgt	420
44	tatcttatgt	ggcaaaatga	aattttgcaga	tgtgattaag	gatgatgtga	tgggggagat	480
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48	atgtagcatg	agaaagactt	gactggccag	tgctagcttt	aaagacggag	gaagggagct	600
50	atgagccaaa	ggatgtgagc	agcttgagcc	ggaaaaggta	aggaaccaga	ttctaccctt	660
52	agactatctg	aaaatgaaca	caacccttct	aacatcttga	tttgatccca	gtgaggccca	720
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56	gtttgtggta	atttgtcaca	gcagcagcaa	caggacctaa	ttcagggtgg	tcagccacta	840
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60	acttctgcag	aattaaaggg	atctctttgc	ccacgcacaa	actatttttt	agttttttcg	960
62	gcctctacct	acccttagtc	tcaagacagc	tgcttttaag	gtaagctgca	agacaattta	1020
64	taacatccta	ttcttagact	ttccacttac	acatggaaaa	tcatatgcat	tatcggcgtc	1080
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68	tccctttctt	tggcaggggg	cactgagctt	cacggagacc	ctagagtagg	aatcaaccct	1200
70	tcaggtggaa	ggcccaaggg	aattagagca	cttagagcag	gagacatggg	aaaagaaaga	1260
72	ggaaaagaag	ttggtaggtc	cgaaggaggc	tggaaagagg	ggaaggcaaa	agaatacaca	1320
74	accagccga	atcatgggaa	gtgagagatg	gcttcttgca	atctagtctt	gcgggttctt	1380
76	getctagttt	cggaaacttc	ccccgcagag	tcacgcgccg	cgcacctgcc	ccttggggcc	1440
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80	ggcgggggtg	tggggagact	gcagggagga	gttttgggga	gtgcaaacgg	aaagactaca	1560
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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/581,422

DATE: 07/18/2002

TIME: 15:01:34

Input Set : A:\09-581422.SequenceListing.txt

Output Set: N:\CRF3\07182002\I581422.raw

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87 <210> SEQ ID NO: 2

88 <211> LENGTH: 1079

89 <212> TYPE: DNA

90 <213> ORGANISM: Homo sapiens

92 <220> FEATURE:

93 <221> NAME/KEY: misc\_feature

94 <222> LOCATION: (970) → n also found at position 1042!

95 <223> OTHER INFORMATION: n=(a or c or t or g)

98 <400> SEQUENCE: 2

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102	tcattgccgc	cctggcttaa	cccttcgggc	gcctaaaagg	acggccggcc	ggccgggtccc	120
104	ttgcaccagg	aagaagtctt	agcagccagc	gggccctggt	caggaaactc	taagggtacaa	180
106	ggaaaacagt	tgaggaagga	gccagagcgc	tccggtttgg	tcctcgggct	tcgctggggc	240
108	ggggcgcagg	cgttggcttt	aagaaaaggg	aggggacagt	gcaatccggg	ttgcccgcgg	300
110	attcggccaa	ggaatcttcc	gctcgctccg	gagcgaggag	cctgtaaaaga	ggctgttccc	360
112	agctccagct	ctaaccctgc	ctacaccttg	ggcgggccca	atgtcacgtt	tgcaattgct	420
114	caggaaggat	ccggcccgtc	tccggaggca	agtcgggctg	cggtttttgc	tgcttatctg	480
116	ggaaggcgat	gcctaaggga	catgctgctt	gctaggcagc	accctgccgg	gatccgactg	540
118	cgatagttag	ctctccctgg	ccctgaagcc	atcgccgggg	cgctgtttct	ctgtccggac	600
120	cagccagcgc	tcctcaggag	tctcactgaa	acaggtacct	gtcctccaaa	gggacggagg	660
122	ctatgagctt	ccttaagcgg	gtcgcgcgct	cagtcctgcc	cctctacttc	ctctactgtg	720
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130	caaagacggc	aacgcgctta	tcagcgctat	gagaagtaag	tgcaaggctt	cgatgagctg	960
W--> 132	tttctctgan	ctgggtgtgc	tggectttaa	gcctttccac	accaccaggg	gaagggagat	1020
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139 <212> TYPE: DNA

140 <213> ORGANISM: Homo sapiens

142 <400> SEQUENCE: 3

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148	tttgagtggg	acaggtcaga	gaggagaggt	gttgaggata	aaaacatgtc	ccgtaacttt	180
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152	ttctactgca	tatctaattc	tttgttttat	ttcattaaat	gctagttgca	acctgctcag	300
154	agcaacttacc	tttggttttc	ttttatctgc	tcttatagag	atgaggaaat	agatcaaagc	360
156	atagcattgt	tgaacatttc	tcttgttacc	cttcctttgc	agattattct	tctgctgttc	420
158	agaaattttc	ccagacgctg	cagtcatttc	agtttgattt	cattggagac	actctgactg	480
160	atgatgaaat	taacatcggt	aagtcttcag	ctacatgtgg	tcataacct	gttgaggcag	540
162	ccctgagacc	atgtagtctt	tttgatttgt	ggatacagag	cacttggaca	tcttcatcca	600
164	ctgtggtcca	atgcccaagg	cctgggaggt	tgattaggaa	ggatcaggaa	actttccctg	660
166	ccagtcccat	ttctcctca	cacgacagca	atcaaaagat	acccttaaac	ttctactgag	720
168	atttttgaot	cagacagtot	gcaagcgacc	ttttctttta	agcatagtta	ttttcctaaa	780
170	ggatatatta	aaagggggac	ttttttggtt	tatttcccaa	aatggttgga	gttagattct	840
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RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/581,422

DATE: 07/18/2002  
TIME: 15:01:34

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Output Set: N:\CRF3\07182002\I581422.raw

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186 gaacagggat ccaaaactcgt ttcagggttc tatagctgcc aattaattac acagcaaacc      180
188 tcttgccctt tccctaattct tttagcttgt ctatgaaata agagaaattc tagctactcc      240
190 tgagtggctg taaggattaa ataaaaatatt aaagtgtatg gggattgata aaagaggaaa      300
192 gaaaagaaaa gaaacattca acagggtgctg aacacctgct tttgtcctcc gatttgacac      360
194 ctctctctag tggccatgtg ggcatagggc actggtccct acttctctgt gcacagatct      420
196 ctatccattt gtctgtcaag caccatgatt aatttgtttt acatttgatt ctctccttcc      480
198 agctgaatcc ttcaaggaat ttgctgaatt gctcaacgag gtagaaaatg agaggatgat      540
200 gatggttaagt cactaacgct gtcactgaag ctgagttcat ggggtgatata ggggattttt      600
202 cctttccttt atgcttggat tgatcctata ctattttgat ttctgtcaga tagcttcttg      660
204 gtgctataaa aatagttagg taatagatct ggttattatg tctcaagctt ccaccctgag      720
206 agtttggcat tagatagagg gaaattaacg tgcaaatccc atctgtgttc atttcagtga      780
208 aaaataattt cagtggatat taaactgggc ctttgaacat gttgacagaa attgaggtct      840
210 ttagtgtttt tagccaaatt atccatttgt taatctttaa tttgtggagt agttttactt      900
212 ttatagagaa aatcagtaga aaataaagat agaactcata taccaccttt ctctctccca      960
215 <210> SEQ ID NO: 5
216 <211> LENGTH: 960
217 <212> TYPE: DNA
218 <213> ORGANISM: Homo sapiens
220 <400> SEQUENCE: 5
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226 attctctttc tcttctcttt ttcacctgtc cttcaggtct cctgtgtcct ctgctggaca      180
228 tcacttcaga tatttatcga ttaaaaaactc aggtcagact atcattaaag ttacagagaa      240
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232 tagaaacaaa cagtaacaaa acccaacaaa tcagcaaacc atttaacatt ttgcagggtg      360
234 gtatataaat gaaaatgtag taacaaggaa tcttgtatct gaaccttgtt aacctagaaa      420
236 ttgttttgtt tgtttttcct ttttgtctag gtacacaatg ctagtgattt gctgattaaa      480
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246 ctaacatgac aaagggggtg gggagggtgg tgattagttt ctatgagaaa atgatcacga      780
248 aagagagtaa gaaaatctag aattggcctc tgactttgtg gccaacaggc tctgtatctg      840
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266 atatctactg cacaggccct ttttaaggtat cattctctaa ggagcagctt ccatagcttt      180

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/581,422

DATE: 07/18/2002

TIME: 15:01:34

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268 cagctgtataa aatagggact gccatttctg caggcagaat ggtttggggt tatatttcag 240
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272 ggagctagag ggattgacca cctgaaacct gacactatct ccttcattct cctttctaag 360
274 cagacagagt tacaactaca gacatttaat ctttgccctt ctttccacc tttaggagcg 420
276 gaaaaagaaa ttgaaaaagg atggtgagag gttttattct ttactggatc ggcacttaca 480
278 cctgtcttca aaaaagaaaag aatctcagtt acaagaggta tgttcacaaa gcctgcccct 540
280 gccttccatt gctagctatg ccttagaaac agtgtgaatt ttgtactgca aggcctttcc 600
282 cataccccgt ctgagcaggg aacctcatgt gatagtagca cttgtagtca aaactgtggc 660
284 ctgagactca gaagccctga atactaagcc agctcttcca ctaactcagg gtgtgacctt 720
286 ggataggata cttctttctt tgcctcattc cattatctgt aagaagagga gtcgagagtc 780
288 cctttcaatt gcaagtccaa aatccatgcg aggataaagt taaactagtg ttgtatttgg 840
290 tagaaatcag gaacagatct tctacttttt tccctgagag attccacaac cttttttttt 900
292 tttttttttt ttggtgaggg gttaggggaa tggtctgttt tgggactact ggttacctgg 960
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308 tattcatgtc tctgtagtgt ttgaggagag agattttcct ctgacttcag ttctctgttg 180
310 aatataataa aatgtgtgga ttttacactt gttcagcttt tttctttttg tcagggtgga 240
312 tgtaatgact tcaagctttt tatgtgttgg accagaaact ggaatcctgt atcagtcact 300
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318 atgaatatcc caatatgtaa tgtttgtttt ccttcttcta caggcagacc tacagggtgga 480
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324 ctaaaaatat ttatcaaagt cctggtaaag gtacaaactt tgatcataaa aacagaatcc 660
326 caaagaacgt gaaggataat cagtggaaat gtctagaacg tagtctaact tacgtttttc 720
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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/581,422

DATE: 07/18/2002

TIME: 15:01:34

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Output Set: N:\CRF3\07182002\I581422.raw

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408 aggaggcggt tcagggaagc ggcagggtgt gatctgaagt ttgactctga agagcaatgt      300
410 gtaaatagct tccatcttag ggttgacttc ctatacagct aaaatagtta ttctgtctgc      360
412 tcactttttac ttgtccttgt aggggcctta ggaatatcct gggtgaaata ctattgccag      420
414 tatgagaaag agacaaaac actgacctat acgcctatgg agcagaagcc aggtgctaag      480
416 caggtcagtt cttgttttgc ccatattttt ggaaatggat ctatgactgt ttctcagaaa      540
418 agaatatatg ttgacctagt atcaaatcat caagttcatc actgttacgt gaggccatga      600
420 ctttatatgt acaccttggc ctaagtttga gtcagatagc actgagttga gtgaaaaatt      660
422 tctctgttga ttagagcaag ccttttgaaa gtgccggtag tctttcaaac cagttatttt      720
424 tacaagtgcc agtcacattg tacagtcaac tatgtaaaaa tatggatgaa ttacttttaa      780
426 gaatgctcta ctcttggatt ctttaaaaata gcaagtttta aaaatatgaa ttgaattcca      840
428 aaattccttt ttacaggag tgtgtttatg gccacagtt ggaataaccg atactcacat      900
430 tctatgtact actcaaatat ctttaagcag ttaatctctc tttttctgcc ctccaaacct      960
432 tctctcactc ctgaaaatga caagataaat ttaacacact gaaaaaata gtttacttac      1020
435 <210> SEQ ID NO: 11
436 <211> LENGTH: 294
437 <212> TYPE: DNA
438 <213> ORGANISM: Homo sapiens
440 <400> SEQUENCE: 11
442 ccctagacca gacgccttcc aagtgcact gaagacactg taggaagcag aaacagcttc      60
444 tgtgtctttt tttaaaaatt gcctgttaat tcttgtttca tatcaggggc ccttggactt      120
446 aacactgaag tactgtgtga gaaggaagac ggagtctatc gacaagaggt tctgttttga      180
448 catagaaact aatgaaaggt aagctgtgcc gctgtgaatt ggcaatgtcc ccacgtgcca      240
450 gatgcttagc ctgggtatgt cttttatttt cctccgtcat cccacgttga tgac          294
453 <210> SEQ ID NO: 12
454 <211> LENGTH: 494

```

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/581,422

DATE: 07/18/2002  
TIME: 15:01:35

Input Set : A:\09-581422.SequenceListing.txt  
Output Set: N:\CRF3\07182002\I581422.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; N Pos. 970,1042

Seq#:12; N Pos. 370

Seq#:16; N Pos. 9,12,32,36,84,161,182,466,496,508

Seq#:17; N Pos. 123,319,586

Seq#:20; N Pos. 27,50,54,72,124,158,186,192,196,203,211,222,387,424,425,428

Seq#:20; N Pos. 430,437,466,483,494

Seq#:21; N Pos. 164

Seq#:22; N Pos. 103

## VERIFICATION SUMMARY

DATE: 07/18/2002

PATENT APPLICATION: US/09/581,422

TIME: 15:01:35

Input Set : A:\09-581422.SequenceListing.txt

Output Set: N:\CRF3\07182002\I581422.raw

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:132 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:960  
L:134 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:1020  
L:478 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:360  
L:569 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0  
L:571 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:60  
L:573 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:120  
L:575 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:180  
L:583 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:420  
L:585 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:480  
L:607 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:120  
L:613 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:300  
L:621 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:540  
L:686 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0  
L:688 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:60  
L:690 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:120  
L:692 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:180  
L:698 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:360  
L:700 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:420  
L:702 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:480  
L:723 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:120  
L:766 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:60